

## APPENDIX 1. SEARCH STRATEGY

### CINAHL (EBSCO)

- S1 (MH "Physician Assistants") OR (MH "Clinical Nurse Specialists") OR (MH "Advanced Practice Nurses") OR (MH "Nurse Practitioners+") OR (MH "Advanced Nursing Practice") OR (TI ((physician\* N1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* W1 (provider\* OR nurs \* OR practice\*)) OR (((non OR none) W1 physician\*) OR nonphysician\* OR Midlevel OR (mid W1 level)) W2 (clinic\* OR professional\* OR provider\* OR worker\* OR personnel OR practitioner\* OR staff OR specialist\* OR (first W1 assistant\*))) OR ((Clinical OR doctor\*) W1 assistant\*) OR ((nurs\* OR Specialist OR emergency) W1 practitioner\*) OR (Nurse N1 (clinician\* OR specialist\*)) OR (Academic N1 nurs\*) OR APN OR APNS OR Feldsher)) OR (AB ((physician\* N1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* W1 (provider\* OR nurs \* OR practice\*)) OR (((non OR none) W1 physician\*) OR nonphysician\* OR Midlevel OR (mid W1 level)) W2 (clinic\* OR professional\* OR provider\* OR worker\* OR personnel OR practitioner\* OR staff OR specialist\* OR (first W1 assistant\*))) OR ((Clinical OR doctor\*) W1 assistant\*) OR ((nurs\* OR Specialist OR emergency) W1 practitioner\*) OR (Nurse N1 (clinician\* OR specialist\*)) OR (Academic N1 nurs\*) OR APN OR APNS OR Feldsher)) OR (SU ((physician\* N1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* W1 (provider\* OR nurs \* OR practice\*)) OR (((non OR none) W1 physician\*) OR nonphysician\* OR Midlevel OR (mid W1 level)) W2 (clinic\* OR professional\* OR provider\* OR worker\* OR personnel OR practitioner\* OR staff OR specialist\* OR (first W1 assistant\*))) OR ((Clinical OR doctor\*) W1 assistant\*) OR ((nurs\* OR Specialist OR emergency) W1 practitioner\*) OR (Nurse N1 (clinician\* OR specialist\*)) OR (Academic N1 nurs\*) OR APN OR APNS OR Feldsher\*))
- S2 (MH "Home Health Care+") OR (MH "Health Care Delivery, Integrated") OR (MH "Health Care Reform") OR (MH "Hospital-Physician Joint Ventures") OR (MH "Shared Services, Health Care") OR (TI (((Transmural OR Integrat\*) N2 (care OR health\* OR service\*)) OR (((Co W1 located) OR Shifting OR Substitution) N1 care) OR (consultation N1 liaison\*) OR (Nurs\* N1 led\*) OR Nurseled\* OR (Hospital N1 Based N1 Home N1 Car\*) OR (relocation N2 (service\* OR care)) OR ((care OR health\*) N1 Reform\*))) OR (AB (((Transmural OR Integrat\*) N2 (care OR health\* OR service\*)) OR (((Co W1 located) OR Shifting OR Substitution) N1 care) OR (consultation N1 liaison\*) OR (Nurs\* N1 led\*) OR Nurseled\* OR (Hospital N1 Based N1 Home N1 Car\*) OR (relocation N2 (service\* OR care)) OR ((care OR health\*) N1 Reform\*))) OR (SU (((Transmural OR Integrat\*) N2 (care OR health\* OR service\*)) OR (((Co W1 located) OR Shifting OR Substitution) N1 care) OR (consultation N1 liaison\*) OR (Nurs\* N1 led\*) OR Nurseled\* OR (Hospital N1 Based N1 Home N1 Car\*) OR (relocation N2 (service\* OR care)) OR ((care OR health\*) N1 Reform\*)))
- S3 MH "Primary Health Care" OR (TI (primary N1 (care OR health\*))) OR (AB (primary N1 (care OR health\*))) OR (SU (primary N1 (care OR health\*)))
- S4 MH "Hospitals+" OR MH "Secondary Health Care" OR (TI (hospital OR hospitals OR (secondary N1 (care OR health\*))) OR (AB (hospital OR hospitals OR (secondary N1 (care OR health\*))) OR (SU (hospital OR hospitals OR (secondary N1 (care OR health\*)))
- S5 S3 AND S4
- S6 S2 OR S5
- S7 S1 AND S6

### Cochrane Database of Systematic Reviews

- #1 ((physician\* NEAR/1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* NEAR/1 (provider\* OR nurs \* OR practice\*)) OR (((non OR none) NEAR/1 physician\*) OR nonphysician\* OR Midlevel OR (mid NEAR/1 level)) NEAR/2 (clinic\* OR professional\* OR provider\* OR worker\* OR personnel OR practitioner\* OR staff OR specialist\* OR (first NEAR/1 assistant\*))) OR ((Clinical OR doctor\*) NEAR/1 assistant\*) OR ((nurs\* OR Specialist OR emergency) NEAR/1 practitioner\*) OR (Nurse NEAR/1 (clinician\* OR specialist\*)) OR (Academic NEAR/1 nurs\*) OR APN OR APNS OR Feldsher):ti,ab,kw
- #2 (((Transmural OR Integrat\*) NEAR/2 (care OR health\* OR service\*)) OR (((Co NEAR/1 located) OR Shifting OR Substitution) NEAR/1 care) OR (consultation NEAR/1 liaison\*) OR (Nurs\* NEAR/1 led\*) OR Nurseled\* OR (Hospital NEAR/1 Based NEAR/1 Home NEAR/1 Car\*) OR (relocation N2 (service\* OR care)) OR ((care OR health\*) NEAR/1 Reform\*)):ti,ab,kw

- #3 (primary NEAR/1 (care OR health\*)):ti,ab,kw
- #4 (hospital OR hospitals OR (secondary NEAR/1 (care OR health\*))):ti,ab,kw
- #5 #3 AND #4
- #6 #2 OR #5
- #7 #1 AND #6

#### Embase (Ovid)

- 1 physician assistant/ OR nurse specialist/ or advanced practice nurse/ or clinical nurse specialist/ OR exp nurse practitioner/ OR advanced practice nursing/ OR ((physician\* ADJ1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* ADJ1 (provider\* OR nurs\* OR practice\*)) OR (((non OR none) ADJ1 physician\*) OR nonphysician\* OR Midlevel OR (mid ADJ1 level)) ADJ2 (clinic\* OR professional\* OR provider\* OR worker\* OR personnel OR practitioner\* OR staff OR specialist\* OR (first ADJ1 assistant\*))) OR ((Clinical OR doctor\*) ADJ1 assistant\*) OR ((nurs\* OR Specialist OR emergency) ADJ1 practitioner\*) OR (Nurse ADJ1 (clinician\* OR specialist\*)) OR (Academic ADJ1 nurs\*) OR APN OR APNS OR Feldsher).ti,ab,kw.
- 2 exp home care/ OR integrated health care system/ OR (((Transmural OR Integrat\*) ADJ2 (care OR health\* OR service\*)) OR (((Co ADJ1 located) OR Shifting OR Substitution) ADJ1 care) OR (consultation ADJ1 liaison\*) OR (Nurs\* ADJ1 led\*) OR Nurseled\* OR (Hospital ADJ1 Based ADJ1 Home ADJ1 Car\*) OR (relocation ADJ2 (service\* OR care)) OR ((care OR health\*) ADJ1 Reform\*)).ti,ab,kw.
- 3 primary medical care/ OR (primary ADJ1 (care OR health\*)).ti,ab,kw.
- 4 exp secondary health care/ OR (hospital OR hospitals OR (secondary ADJ1 (care OR health\*))).ti,ab,kw.
- 5 3 AND 4
- 6 2 OR 5
- 7 1 AND 6
- 8 limit 7 to conference abstract status
- 9 7 NOT 8
- 10 limit 9 to yr="1990 -Current"

#### PubMed

- #1 "Physician Assistants"[mesh] OR physician assistant\*[tiab] OR physician associate\*[tiab] OR physician extender\*[tiab] OR physicians assistant\*[tiab] OR physicians extender\*[tiab] OR physician substitute\*[tiab] OR "nurse practitioners"[mesh] OR "Advanced Practice Nursing"[mesh] OR advance nurs\*[tiab] OR advanced nurs\*[tiab] OR nurse practitioner\*[tiab] OR "Nurse Specialists"[Mesh] OR Nurse clinician\*[tiab] OR Nurse specialist\*[tiab] OR Academic nurs\*[tiab] OR APN[tiab] OR APNS[tiab] OR APN S[tiab] OR specialist nurs\*[tiab] OR Assistant physician\*[tiab] OR advance practi\*[tiab] OR advanced practi\*[tiab] OR advanced providers[tiab] OR emergency practitioner\*[tiab] OR feldsher\*[tiab] OR mid level clinicians[tiab] OR mid level health care professionals[tiab] OR mid level health care provider\*[tiab] OR mid level health care workers[tiab] OR mid level health professionals[tiab] OR mid level health providers[tiab] OR mid level health workers[tiab] OR mid level healthcare workers[tiab] OR mid level medical workers[tiab] OR mid level personnel[tiab] OR mid level practitioners[tiab] OR mid level professionals[tiab] OR mid level provider[tiab] OR mid level staff[tiab] OR mid level workers[tiab] OR midlevel clinician\*[tiab] OR midlevel health care professional\*[tiab] OR midlevel health care provider\*[tiab] OR midlevel health care[tiab] OR midlevel health provider\*[tiab] OR midlevel health worker\*[tiab] OR midlevel personnel[tiab] OR midlevel practitioner\*[tiab] OR midlevel professional\*[tiab] OR midlevel provider\*[tiab] OR non physician clinic staff[tiab] OR non physician clinicians[tiab] OR non physician first assistants[tiab] OR non physician health care personnel[tiab] OR non physician health care professionals[tiab] OR non physician health care providers[tiab] OR non physician health care workers[tiab] OR non physician health professionals[tiab] OR non physician health providers[tiab] OR non physician health workers[tiab] OR non physician healthcare professionals[tiab] OR non physician healthcare providers[tiab] OR non physician healthcare workers[tiab] OR non physician medical personnel[tiab] OR non physician personnel[tiab] OR non physician practice staff[tiab] OR non physician primary care providers[tiab] OR non physician professionals[tiab] OR non physician provider[tiab] OR non

- physician providers[tiab] OR nonphysician clinic\*[tiab] OR nonphysician medical personnel[tiab] OR nonphysician personnel[tiab] OR nonphysician practitioner\*[tiab] OR nonphysician primary care clinicians[tiab] OR nonphysician primary care providers[tiab] OR nonphysician specialists[tiab] OR nonphysician staff[tiab] OR Clinical assistant\*[tiab] OR Doctor s assistant\*[tiab] OR Doctors assistant\*[tiab] OR Specialist practitioner\*[tiab]
- #2 "Home Care Services"[Mesh:NoExp] OR "Home Care Services, Hospital-Based"[Mesh] OR "Delivery of Health Care, Integrated"[Mesh] OR "Hospital-Physician Joint Ventures"[Mesh:NoExp] OR Integrated care[tiab] OR Integrated health\*[tiab] OR Substitution of care[tiab] OR Shifting care[tiab] OR Co-located care[tiab] OR consultation liaison\*[tiab] OR transmural care[tiab] OR transmural health care[tiab] OR integrated service\*[tiab] OR "Int J Integr Care"[ta] OR care integration\*[tiab] OR integrated comprehensive car\*[tiab] OR Integrated Managed Car\*[tiab] OR integrated primary care[tiab] OR Nurse led\*[tiab] OR Nursing led\*[tiab] OR Nurseled\*[tiab] OR Care substit\* OR Hospital Based Home Car\*[tiab] OR relocation of service\*[tiab] OR relocation of care\*[tiab] OR care relocation\*[tiab] OR services relocation\*[tiab] OR "Health Care Reform"[Mesh] OR Healthcare Reform\*[tiab] OR care Reform\*[tiab] OR health reform\*[tiab]
- #3 "Primary Health Care"[Mesh:NoExp] OR primary care[tiab] OR primary health\*[tiab]
- #4 "Hospitals"[Mesh] OR "Secondary Care"[Mesh] OR hospital[tiab] OR hospitals[tiab] OR secondary care[tiab]
- #5 #3 AND #4
- #6 #2 OR #5
- #7 #1 AND #6

#### Web of Science

- #1 TS=((physician\* NEAR/1 (assistant\* OR associate\* OR extender\* OR substitute\*)) OR (advance\* NEAR/1 (provider\* OR nurs \* OR practice\*)) OR (((("non" OR "none") NEAR/1 physician\*) OR nonphysician\* OR Midlevel\* OR ("mid" NEAR/1 "level")) NEAR/2 (clinic\* OR professional\* OR provider\* OR worker\* OR "personnel" OR practitioner\* OR "staff" OR specialist\* OR ("first" NEAR/1 assistant\*))) OR ((("Clinical" OR doctor\*) NEAR/1 assistant\*) OR ((nurs\* OR "Specialist" OR "emergency") NEAR/1 practitioner\*) OR ("Nurse" NEAR/1 (clinician\* OR specialist\*)) OR ("Academic" NEAR/1 nurs\*) OR "APN" OR "APNS" OR Feldsher\*))
- #2 TS=(((("Transmural" OR Integrat\*) NEAR/2 ("care" OR health\* OR service\*)) OR (((("Co" NEAR/1 "located") OR "Shifting" OR "Substitution") NEAR/1 "care") OR ("consultation" NEAR/1 liaison\*) OR (Nurs\* NEAR/1 led\*) OR Nurseled\* OR ("Hospital" NEAR/1 "Based" NEAR/1 "Home" NEAR/1 Car\*) OR ("relocation" N2 (service\* OR "care")) OR ((("care" OR health\*) NEAR/1 Reform\*)))
- #3 TS=("primary" NEAR/1 ("care" OR health\*))
- #4 TS=("hospital" OR "hospitals" OR ("secondary" NEAR/1 ("care" OR health\*)))
- #5 #3 AND #4
- #6 #2 OR #5
- #7 #1 AND